

1/6

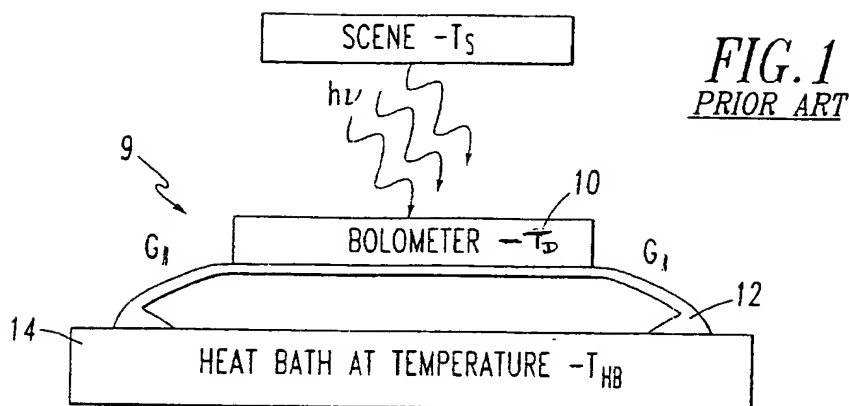


FIG. 2
PRIOR ART

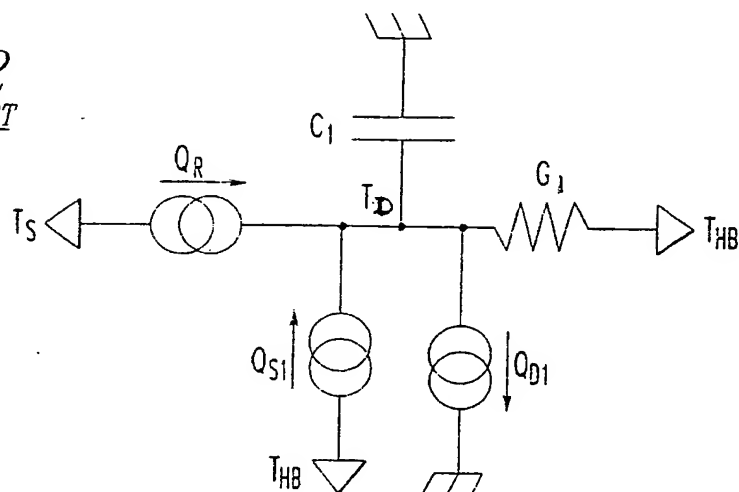
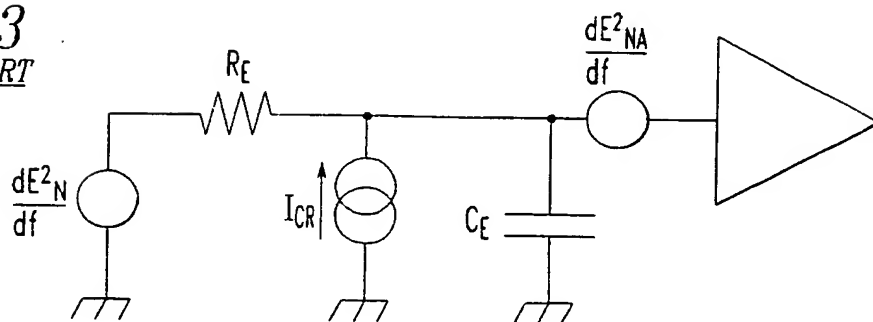


FIG. 3
PRIOR ART



2/6

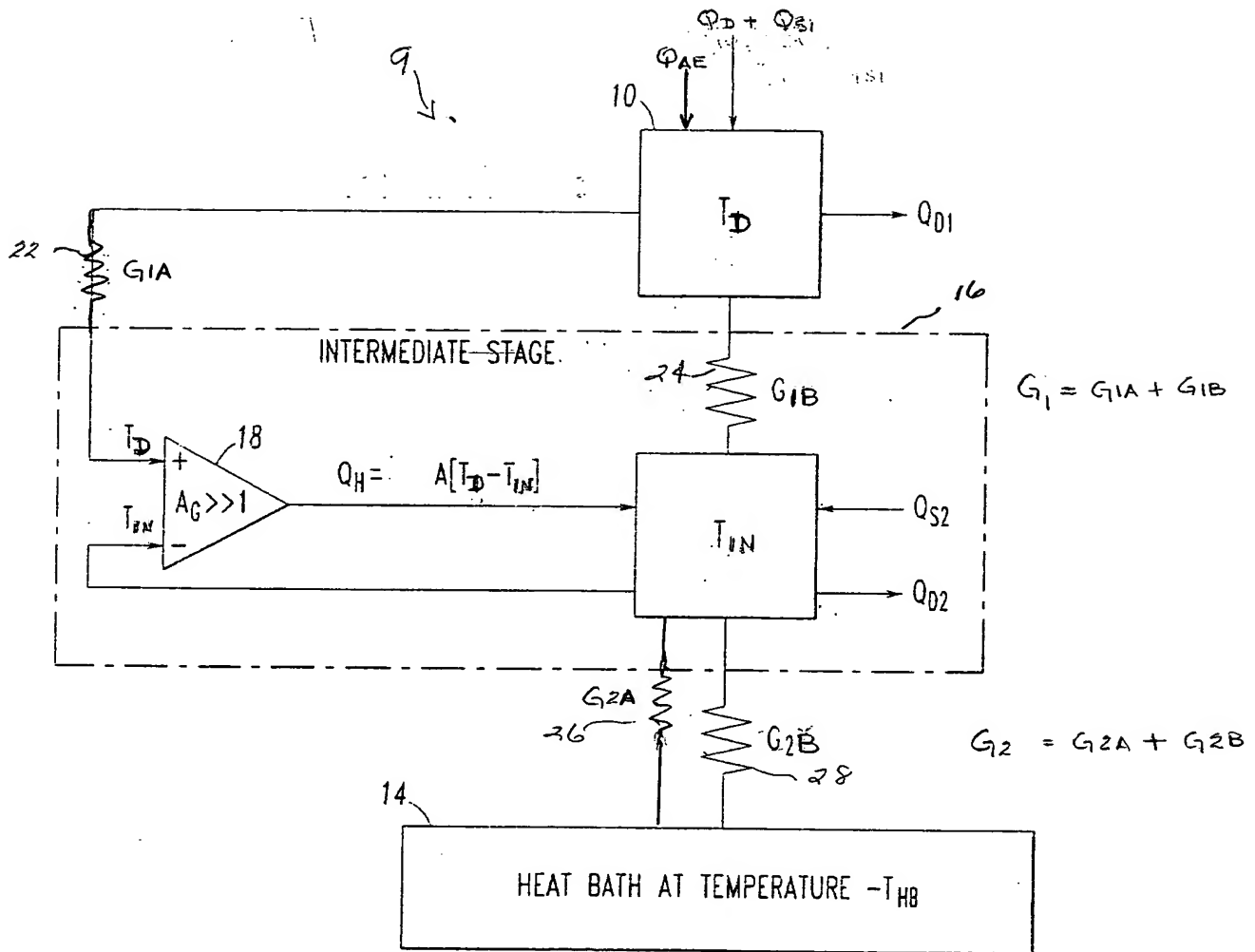


FIG.4

3/6

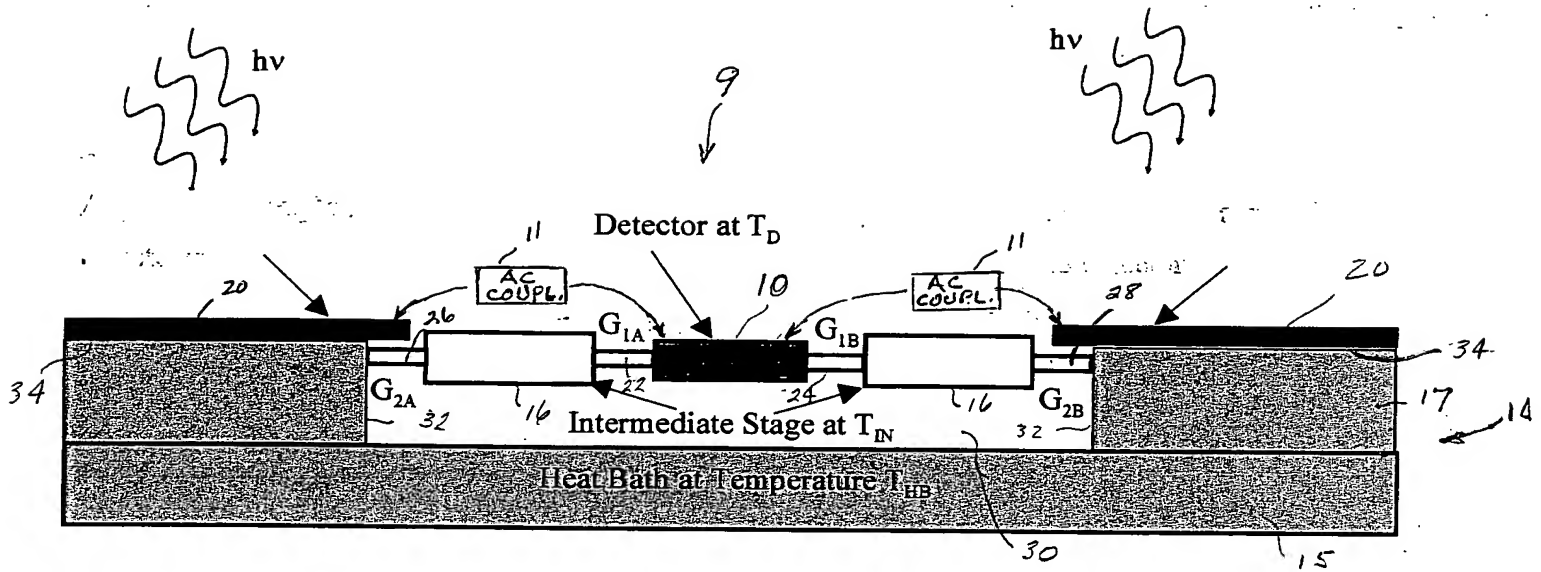
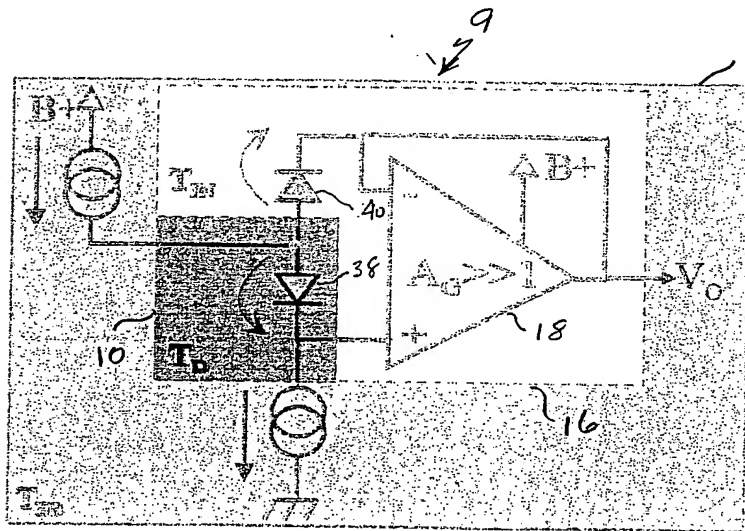


FIG. 5



Amplifier Input: $V_{IN} = \Delta\Phi_D(T_D) - \Delta\Phi_{IN}(T_{IN})$

Amplifier Output: $V_O = A_G [\Delta\Phi_D(T_D) - \Delta\Phi_{IN}(T_{IN})]$

Heater Power: $Q_H = I_H V_O$

FIG. 6

4/6

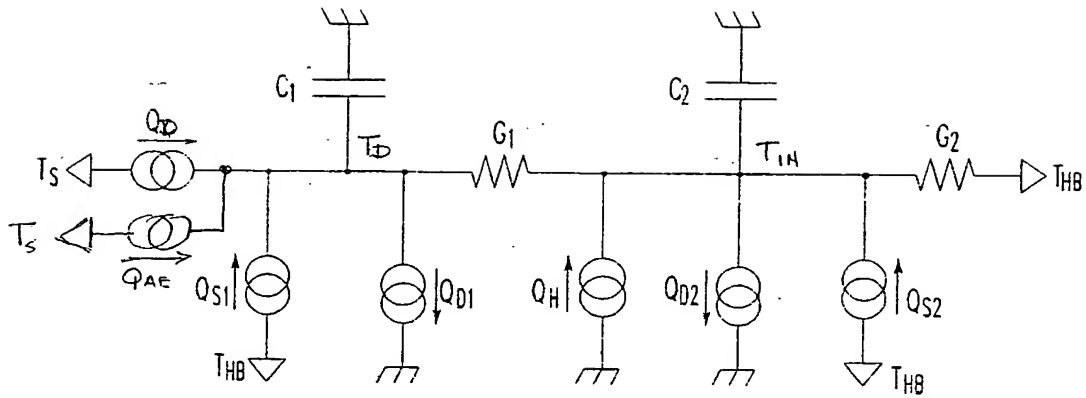


FIG. 7

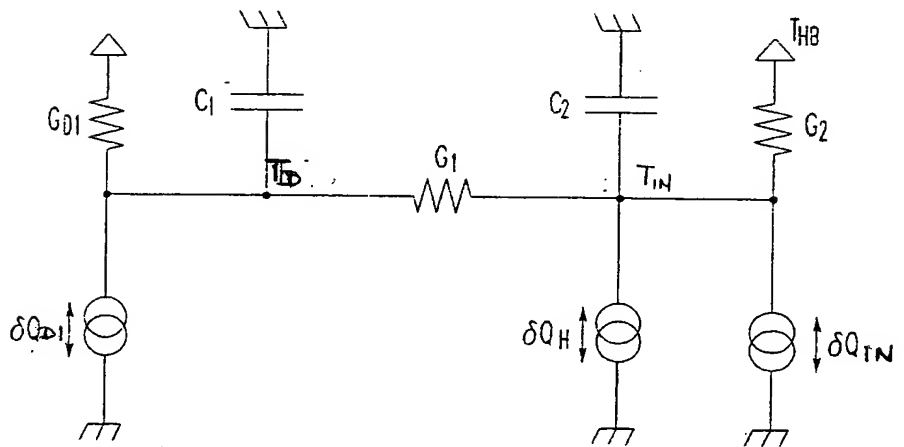


FIG. 8

5/6

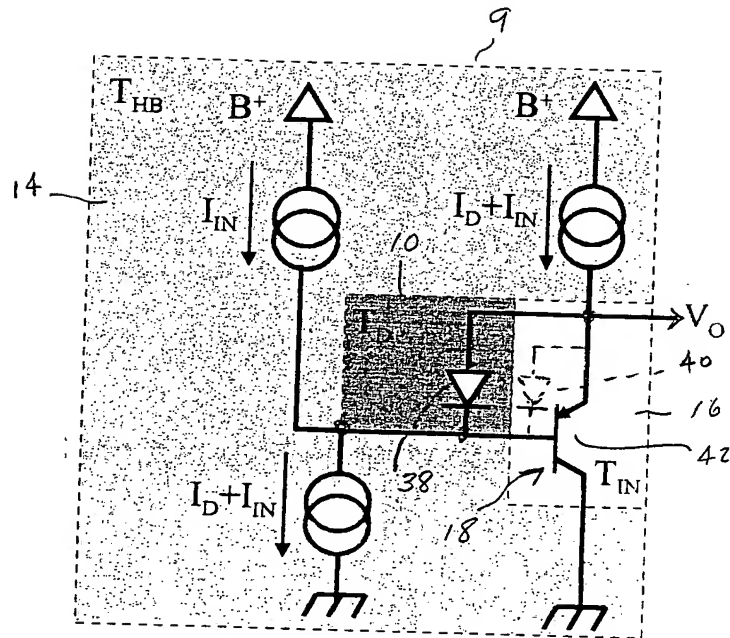


FIG. 9

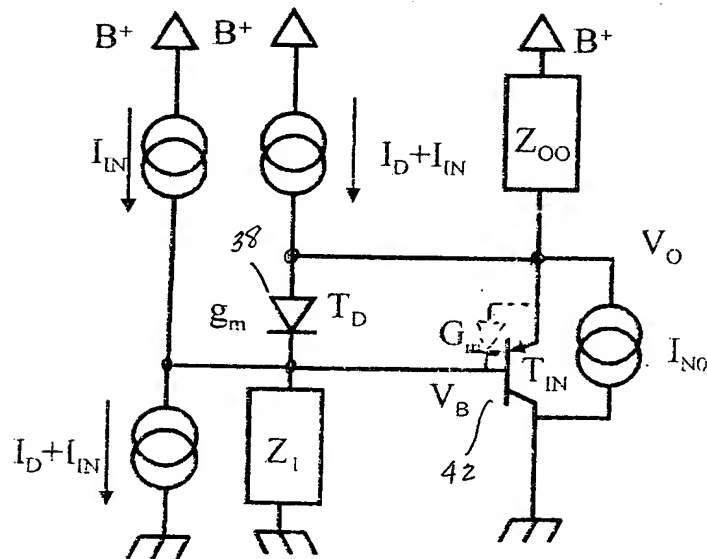


FIG. 10

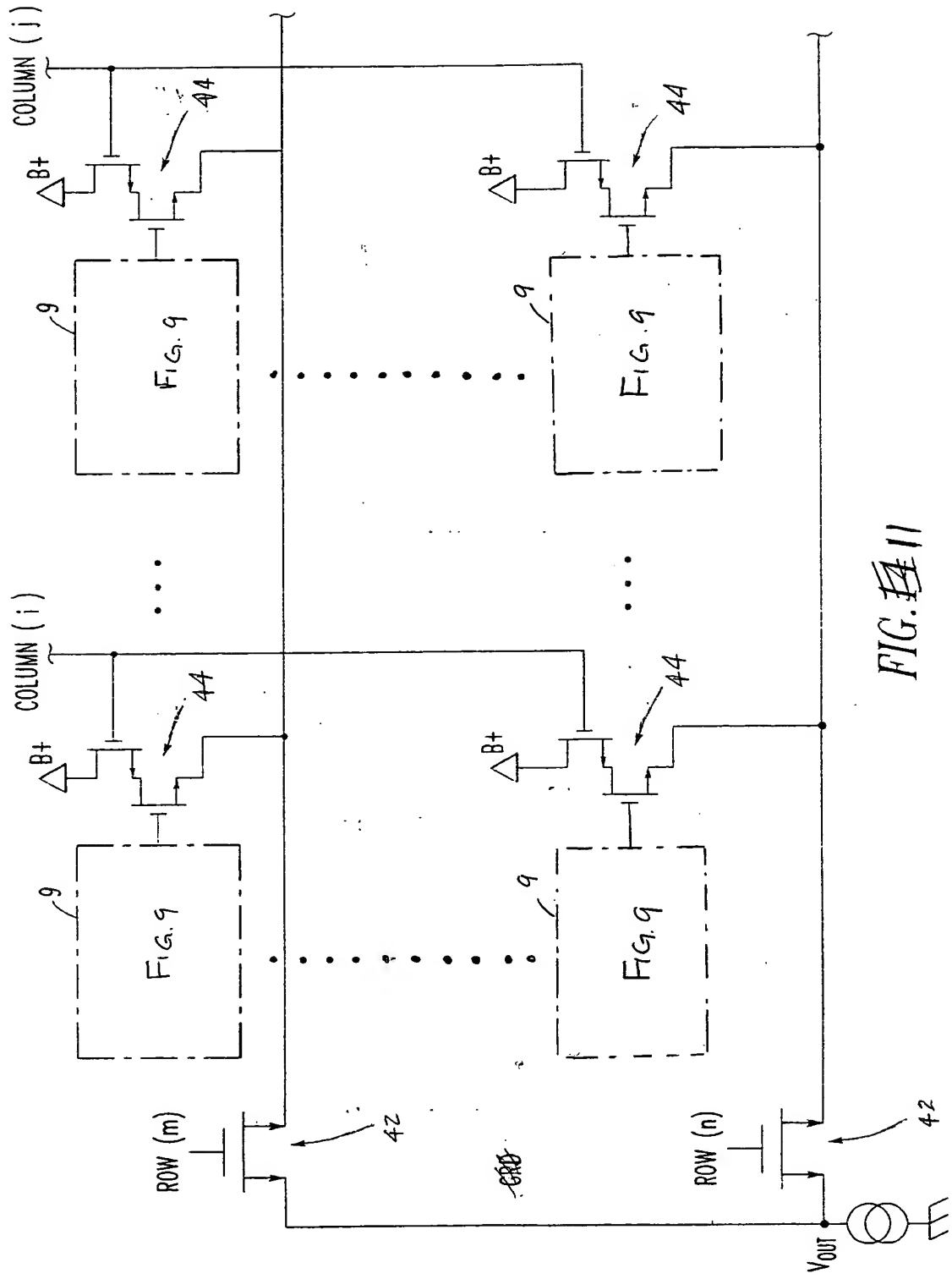


FIG. 11